

A METHOD AND APPARATUS FOR ISOLATING FAULTS IN A SWITCHING MATRIX

Russell, Ronald Alan; Anthony, Michael Kevin

5 **ABSTRACT OF THE DISCLOSURE**

 A signal router is described. The signal router includes a switching matrix, an
error detector and a controller. The switching matrix includes a first number of inputs
and a second number of outputs, and is configured to receive an information stream.
The error detector is coupled to one of the second number of outputs, and is
10 configured to generate error information by virtue of being configured to detect errors
in the information stream. Likewise, the controller is coupled to the switching matrix
and error detector. The controller is configured to select one of the first number of
inputs, receive error information from the error detector, and configure the switching
matrix to couple the selected input to one of the outputs.

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